	Application No.	Applicant(s)
Notice of Allowability	10/625,173	LEE, IHL-HO
	Examiner	Art Unit
	VanThu Nguyen	2824
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to	olication. If not included will be mailed in due course. THIS
1. This communication is responsive to		
2. The allowed claim(s) is/are <u>1-15</u> .		
3. The drawings filed on 22 July 2003 are accepted by the Examiner.		
 4. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: Certified copies of the priority documents have Certified copies of the priority documents have Copies of the certified copies of the priority documents have Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	been received. been received in Application No	
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements
5. A SUBSTITUTE OATH OR DECLARATION must be subminformal PATENT APPLICATION (PTO-152) which give	itted. Note the attached EXAMINER' es reason(s) why the oath or declara	S AMENDMENT or NOTICE OF tion is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") mus (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	on's Patent Drawing Review (PTO-6 s Amendment / Comment or in the O	ffice action of
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the	he header according to 37 CFR 1.121(d	gs in the front (not the back) of i).
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MATERIAL m FOR THE DEPOSIT OF BIOLOGICA	nust be submitted. Note the AL MATERIAL.
Attachment(s)		
1. Notice of References Cited (PTO-892)	<u> </u>	atent Application (PTO-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary (Paper No./Mail Date	
3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 07/22/2003	8), 7. Examiner's Amendm	nent/Comment
4. Examiner's Comment Regarding Requirement for Deposit	<u></u>	nt of Reasons for Allowance
of Biological Material	9. ⊠ Other <u>Search Repor</u>	VanThu Nguyen Primary Examiner Art Unit: 2824

U.S. Patent and Trademark Office PTOL-37 (Rev. 1-04) Art Unit: 2824

Allowable Subject Matter

1. Claims 1-15 are allowed.

The following is a statement of reasons for the indication of allowance:

The prior art made of record and considered pertinent to the applicant's disclosure does not teach or suggest the claimed limitations. Kato et al. and Feurle et al., taken individually or in combination, do not teach the claimed invention having a clock tree on/off control means for delaying an enable timing of a RAS idle signal for a predetermined time after a row inactive instruction is supplied to selectively turning on/off a clock tree of the clock synchronization means in response to the RAS idle signal, in combination with the remaining claimed limitations.

Kato et al. only disclose a synchronous semiconductor memory device comprising an inherent clock synchronization means for synchronizing a data output with an external clock (see column 13 lines 31-41) and a clock tree on/off control means (FIGS. 16B and 16C) for delaying an enable timing of a Active Power Down Mode signal for a predetermined time after an CKE is supplied to selectively turning on/off a clock tree of the clock synchronization means in response to the Active Power Down Mode signal (see FIG. 17).

Feurle et al. only disclose a clock synchronization means for synchronizing a data output with an external clock; and a clock tree on/off control means is supplied to selectively turning on/off a clock tree of the clock synchronization means (see FIG. 1)

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to VanThu Nguyen whose telephone number is (571) 272-1881. The examiner can normally be reached on Monday-Friday, 8:00am-4:30pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Elms can be reached on (571) 272-1869. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

VTN August 20, 2004 VanThu Nguyen Primary Examiner Art Unit 2824